applicable land and resource management plans and environmental quality standards and includes, as appropriate, requirements for:

- (a) Fire protection and suppression;
- (b) Protection of residual timber;
- (c) Regeneration of timber as may be made necessary by harvesting operations;
- (d) Minimizing increases in soil erosion;
- (e) Providing favorable conditions of water flow and quality;
- (f) Utilization of the timber resource to provide for the optimum practical use of the wood material as may be obtained with available technology, considering opportunities to promote more efficient wood utilization, regional conditions and species characteristics;
- (g) Reduction of the likelihood of loss to destructive agencies; and
- (h) Minimizing adverse effects on, or providing protection for and enhancing other National Forest resources, uses and improvements.

#### § 223.31 Duration of contracts.

Sale contracts shall not exceed 10 years in duration, unless there is a finding by the Chief, Forest Service, that better utilization of the various forest resources (consistent with the provisions of the Multiple-Use Sustained-Yield Act of 1960) will result.

## §223.32 Timber sale operating plan.

Sale contracts with a term of 2 years or more shall provide for the filing of an operating plan as soon as practicable after execution of the contract, such plan shall be a part of the contract. The plan of operation shall be general in nature, outlining the expected timing and order of sale development, including such major operations as road construction, felling and removal of timber, distribution of timber, and contractual requirements for erosion prevention and slash disposal. The plan of operation and revisions thereto shall be subject to concurrence by the Forest Service.

# § 223.33 Redetermination of stumpage rates and deposits.

Sale contracts exceeding 7 years in duration, and those of shorter duration to the extent found desirable by the approving officer, will provide for the redetermination of rates for stumpage and for required deposits at intervals of not more than 5 years, exclusive of any period allowed for the construction of improvements.

#### § 223.34 Advance payment.

Sale contracts shall provide that timber and forest products be paid for in advance of cutting, unless the contract authorizes the purchaser to furnish a payment guarantee satisfactory to the Forest Service. Advance payments found to be in excess of amounts due the United States shall be refunded to the current holder of the contract or to successors in interest. (90 Stat. 2959; 16 U.S.C. 472a.)

[43 FR 38008, Aug. 25, 1978. Redesignated at 49 FR 2761, Jan. 23, 1984]

#### § 223.35 Performance bond.

Timber sale contracts may require the purchaser to furnish a performance bond for satisfactory compliance with its terms.

### § 223.36 Volume determination.

- (a) Timber sale contracts may provide for volume determination by scaling, measuring, weighing, or counting the logs or other products, or by measuring the trees before cutting. If the contract or permit provides for the determination of volume by tree measurement and the timber has been paid for, the marking or otherwise designating of the tree authorizes cutting and removal. Otherwise no timber cut under any contract shall be removed from the place designated until it has been scaled, measured or counted as provided in the timber sale contract, unless such removal is specifically authorized in the contract.
- (b) National Forest timber sold on board foot scale shall be scaled by the Scribner Decimal C Log Rule, or if the advertisement and contract or permit so state, by the International ¼-inch log rule or by the International ¼-inch Decimal log rule. National Forest timber may also be sold by the cubic volume rule or by cords, each as used by the Forest Service.